NiceProt View of Swiss-Prot: Q14956

Entry information

Entry name	**NMB_HUMAN**
Primary accession number	**Q14956**
Secondary accession numbers	None
Entered in Swiss-Prot in	Release 35, November 1997
Sequence was last modified in	Release 35, November 1997
Annotations were last modified in	Release 44, July 2004

Name and origin of the protein

Protein name	**Putative transmembrane protein NMB [Precursor]**
Synonym	**Transmembrane glycoprotein HGFIN**
Gene name	**Name: GPNMB** Synonyms: NMB, HGFIN
From	Homo sapiens (Human) [TaxID: 9606]
Taxonomy	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

References

[1] SEQUENCE FROM NUCLEIC ACID.
TISSUE=Melanoma;
MEDLINE=95113576;PubMed=7814155
Weterman M.A.J., Ajubi N., van Dinter I.M.R., Degen W.G.J., van Muijen G.N.P., Ruiter D.J., Bloemers H.P.J.;
"NMB, a novel gene, is expressed in low-metastatic human melanoma cell lines and xenografts.";
Int. J. Cancer 60:73-81(1995).

[2] SEQUENCE FROM NUCLEIC ACID.
TISSUE=Peripheral blood;
MEDLINE=22498106;PubMed=12609765
Bandari P.S., Qian J., Yehia G., Joshi D.D., Maloof P.B., Potian J., Oh H.S., Gascon P., Harrison J.S., Rameshwar P.;
"Hematopoietic growth factor inducible neurokinin-1 type: a transmembrane protein that is similar to neurokinin 1 interacts with substance P.";
Regul. Pept. 111:169-178(2003).

Comments

- ***FUNCTION***: Could be a melanogenic enzyme *(By similarity)*.
- ***SUBCELLULAR LOCATION***: Type I membrane protein *(Potential)*.
- ***TISSUE SPECIFICITY***: Not restricted to the melanocytic lineage.
- ***DEVELOPMENTAL STAGE***: Expression in poorly metastatic melanoma cell lines; no expression in highly metastatic melanoma cell lines.
- ***SIMILARITY***: Belongs to the Pmel-17/NMB family.
- ***SIMILARITY***: Contains 1 PKD domain.

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     FILE 'CAPLUS' ENTERED AT 14:32:52 ON 10 SEP 2004
L1             367 S NMB
L2           26414 S MELANOMA
L3               9 S L1 AND L2
L4               4 S L3 NOT PY>2000

     FILE 'PCTFULL' ENTERED AT 14:35:05 ON 10 SEP 2004
L5             344 S NMB
L6              15 S WETERMAN
L7               4 S L6 AND L5
L8               2 S L7 NOT PY>2000
L9               2 S L8 AND MELANOMA
L10              6 S RAMESHWAR/AU
L11              1 S L10 AND HGFIN

     FILE 'BIOSIS' ENTERED AT 14:39:18 ON 10 SEP 2004
L12              0 S WETERMAN/AU
L13            456 S NMB
L14              7 S L13 AND MELANOMA
L15              5 S L14 NOT PY>2000
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